NEUSE RIVER BASIN 375

02087701 LAKE BENSON AT DAM NEAR GARNER, NC

LOCATION.--Lat 35°39'45", long 78°36'41", Wake County, Hydrologic Unit 03020201, at dam 1.5 mi below Reedy Branch, 3.3 mi south of Garner. DRAINAGE AREA.--67.0 mi².

PERIOD OF RECORD.--Water years 1990 to 1995, 2005.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. A GC/FID scan for trace organic compounds was performed on samples collected in October 1994 and April 1995. Results may be obtained from the USGS Water Science Center, Raleigh, NC. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depthintegration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
AUG 05 05 05	1245 1250 1255	9 9 9	25 	1.0 2.0 3.0	.60 	759 759 759	8.6 4.0 .2	115 52 2	8.8 6.9 6.9	84 84 108	30.6 29.0 27.6	21 	4.85
				ANC,	Bicar-					Residue	Ammonia		Nitrite
Date	Magnes- ium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	wat unf incrm. titr., field, mg/L as CaCO3 (00419)	bonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	on evap. at 180degC wat flt mg/L (70300)	org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	nitrate water fltrd, mg/L as N (00631)

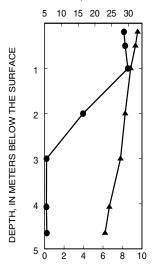
		Ortho-			Chloro-	Chloro-		Mangan-
		phos-			phyll a	phyll b	Iron,	ese,
	Nitrite	phate,	Phos-	Organic	phyto-	phyto-	water,	water,
	water,	water,	phorus,	carbon,	plank-	plank-	unfltrd	unfltrd
	fltrd,	fltrd,	water,	water,	ton,	ton,	recover	recover
	mg/L	mg/L	unfltrd	unfltrd	fluoro,	fluoro,	-able,	-able,
Date	as N	as P	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L
	(00613)	(00671)	(00665)	(00680)	(70953)	(70954)	(01045)	(01055)
AUG								
05	<.002	<.02	.038	8.7	13.7	<.1	200	156
05	<.002	<.02	.045				310	287
05	<.002	<.02	.053				360	586

Remark codes used in this table: < -- Less than. E -- Estimated.

Medium codes used in this table:

^{9 --} Surface water.

TEMPERATURE, IN DEGREES CELSIUS



DISSOLVED OXYGEN, IN MILLIGRAMS PER LITER

